

# Optical Restoration Environment

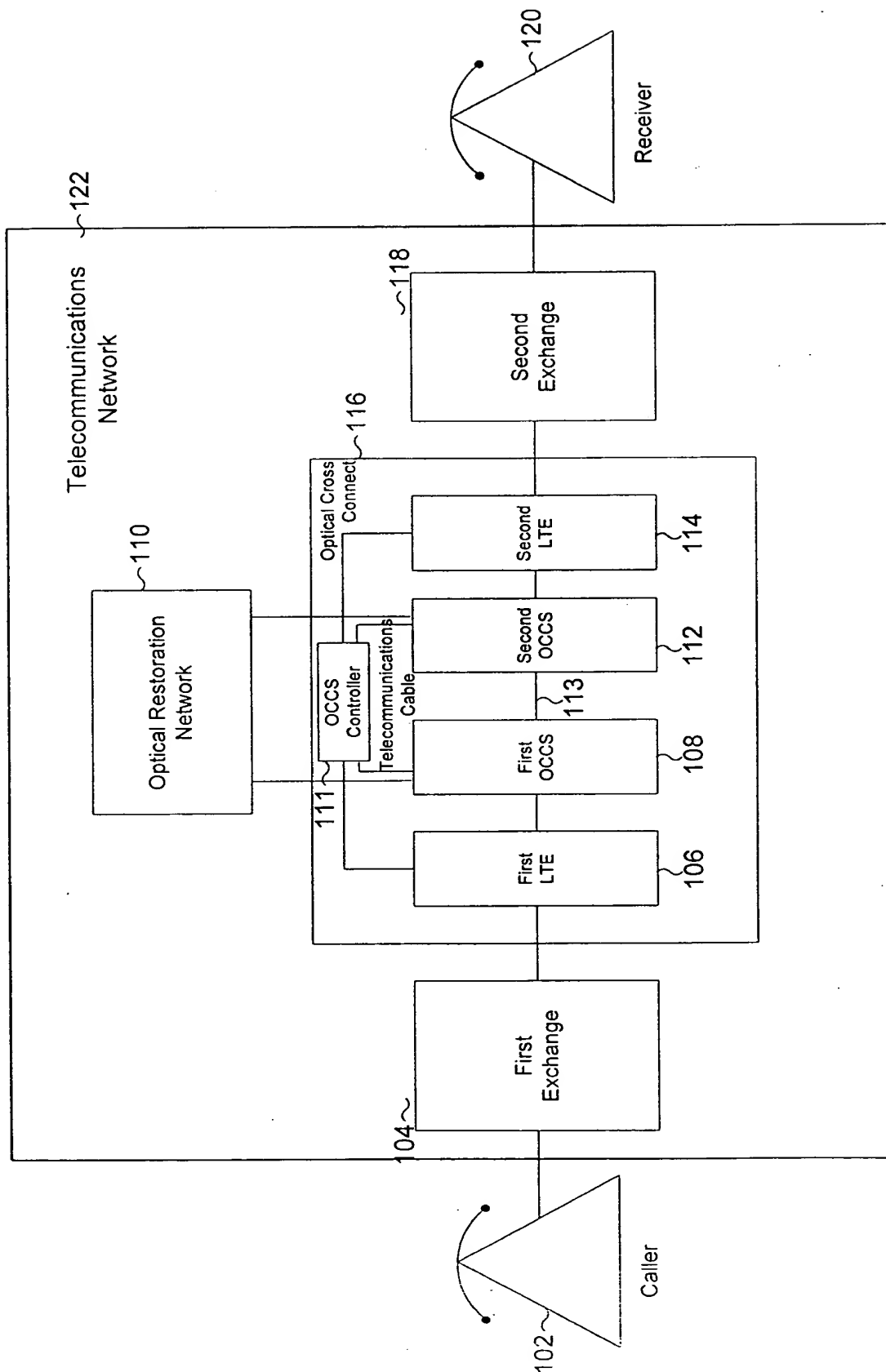


FIG. 1

# Optical Cross Connect

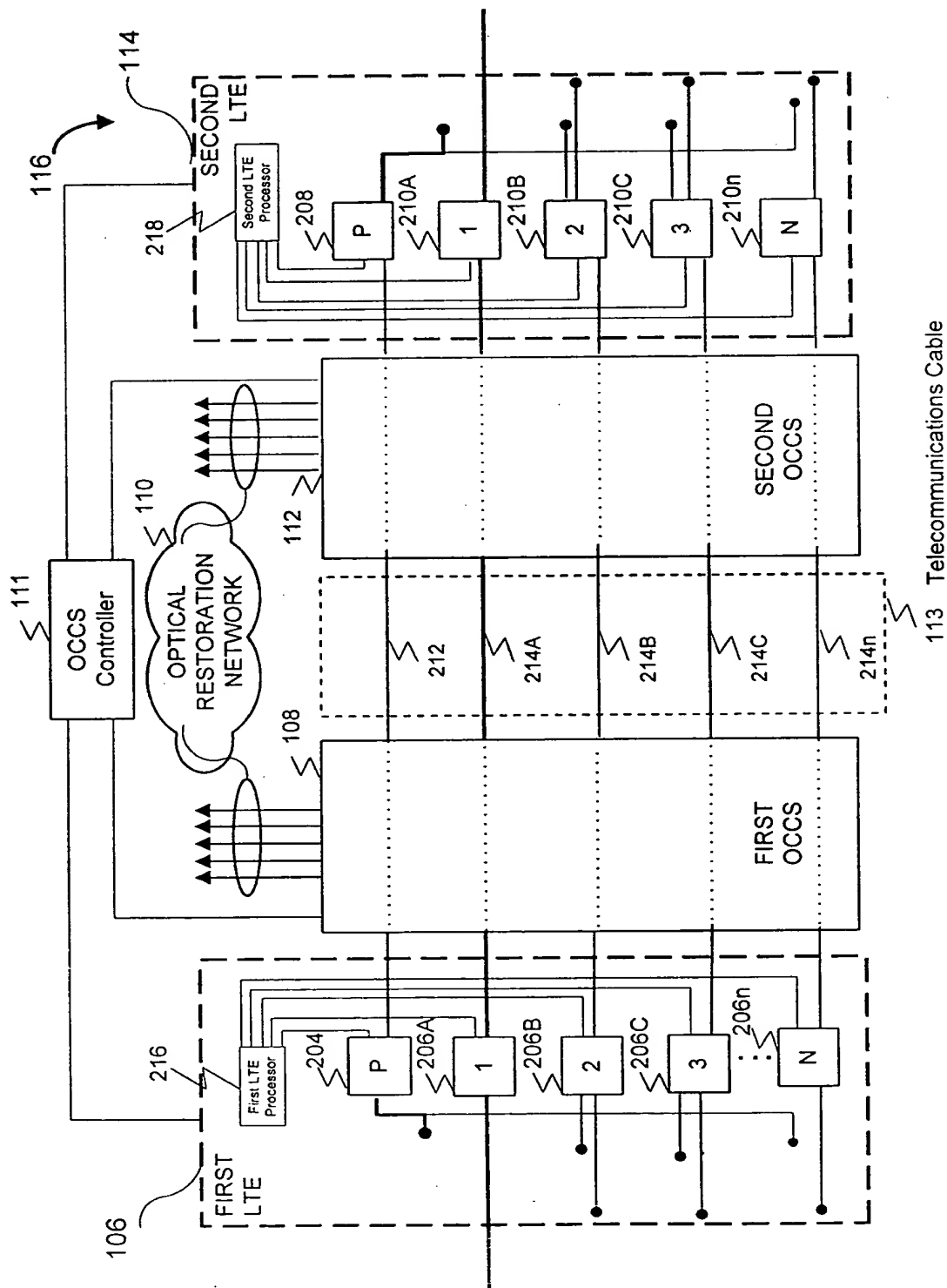


FIG. 2

# Operation of the Optical Cross Connect

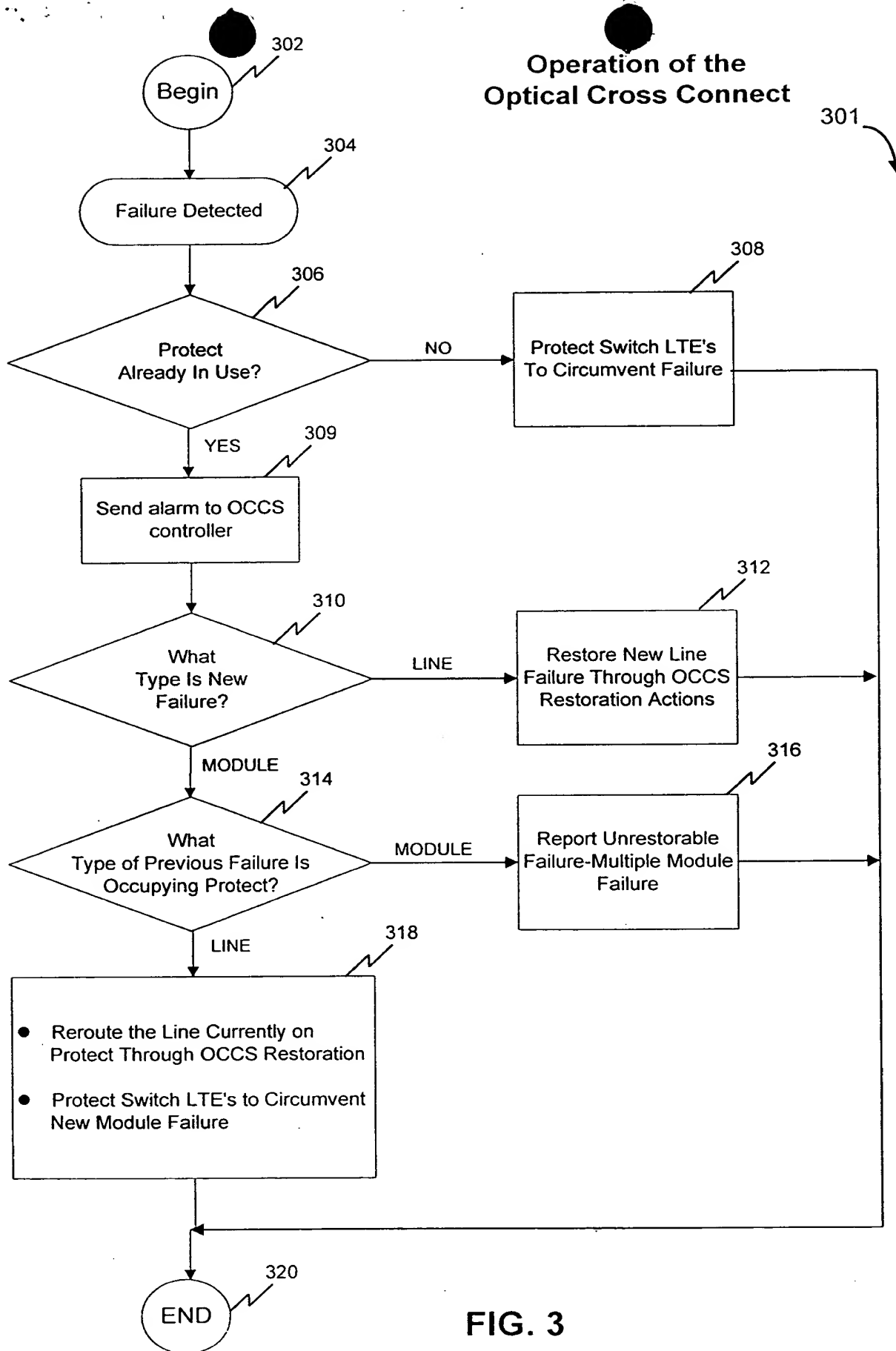


FIG. 3

402

# First Failure - Line 1

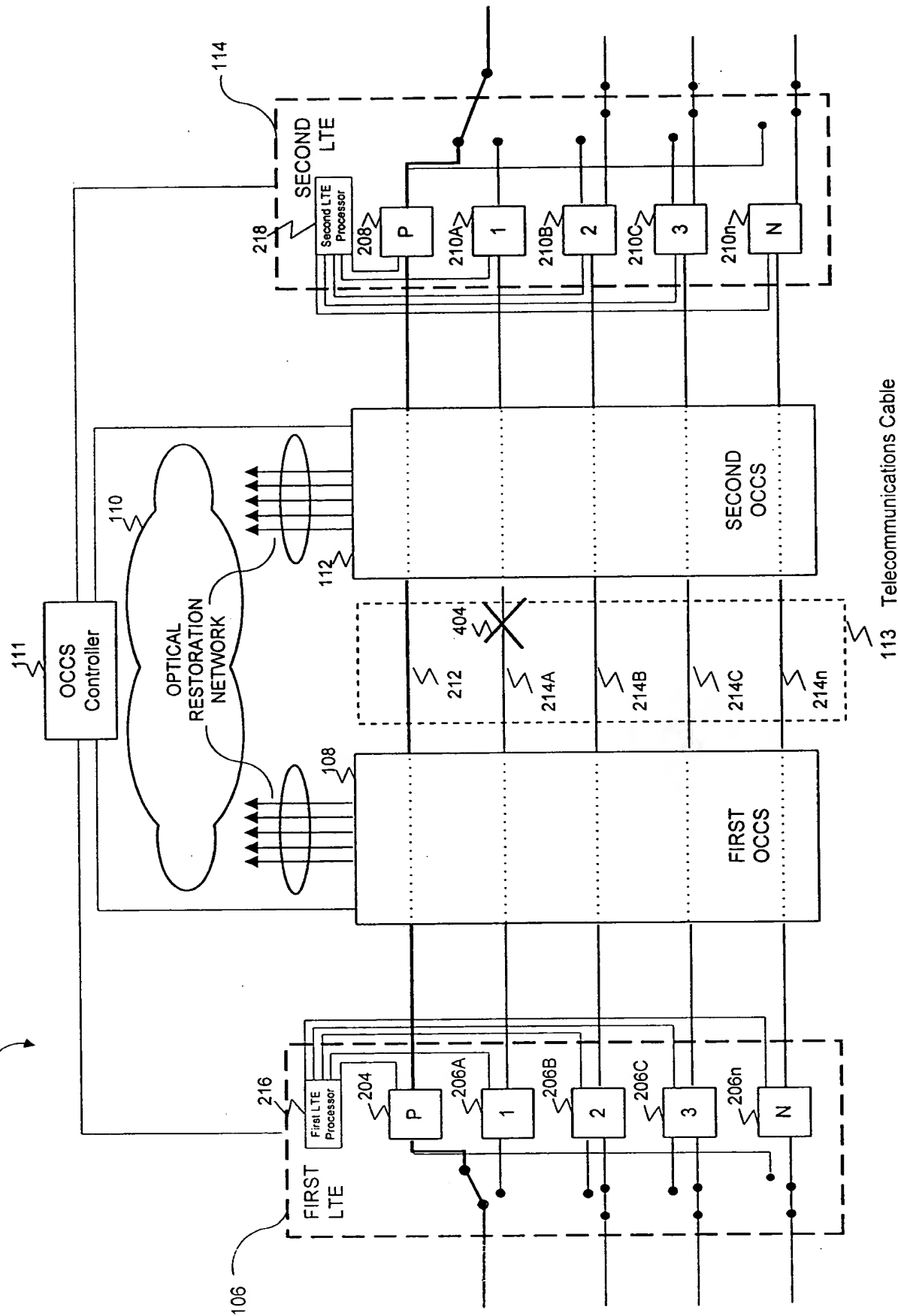


FIG. 4A

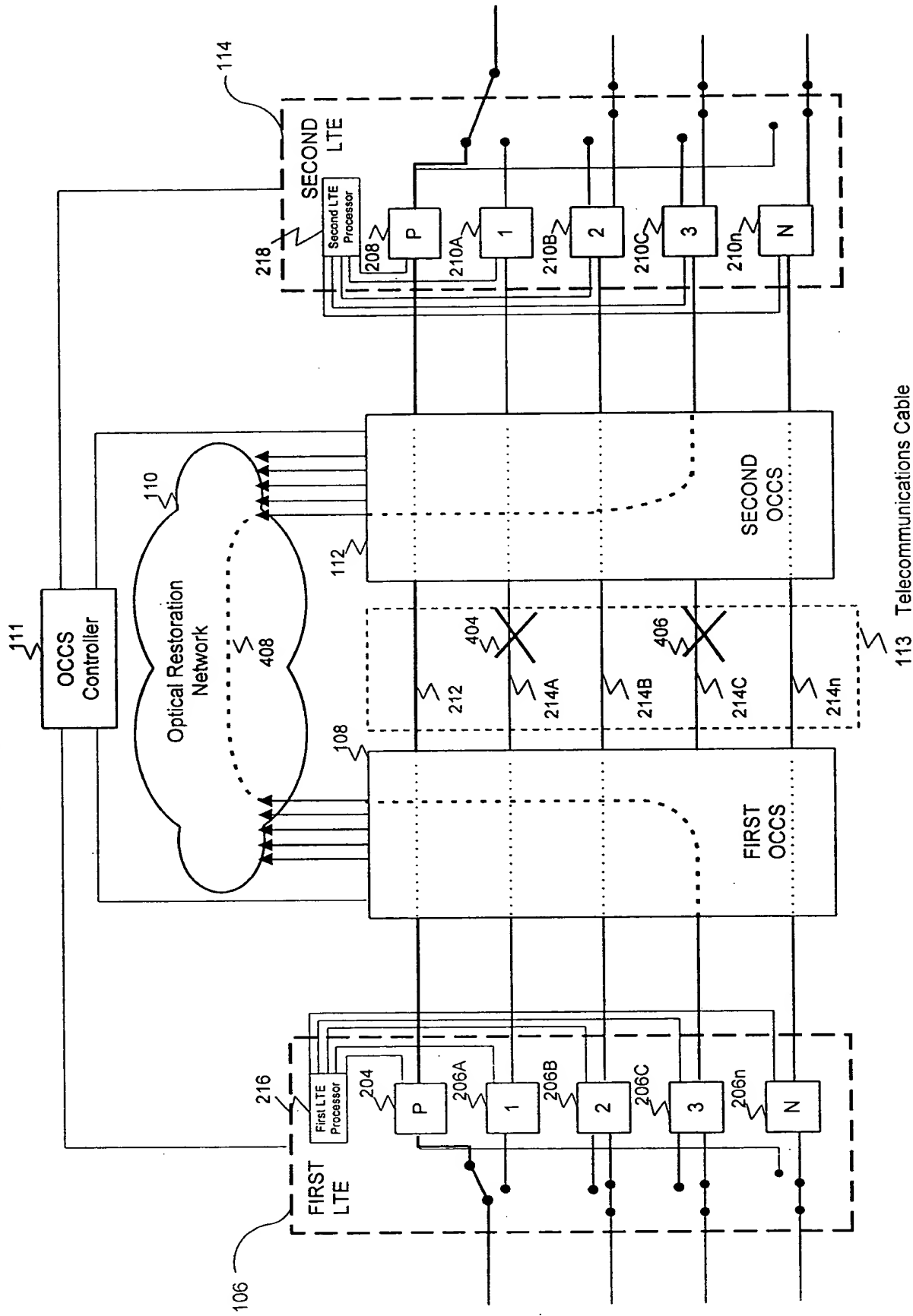


FIG. 4B

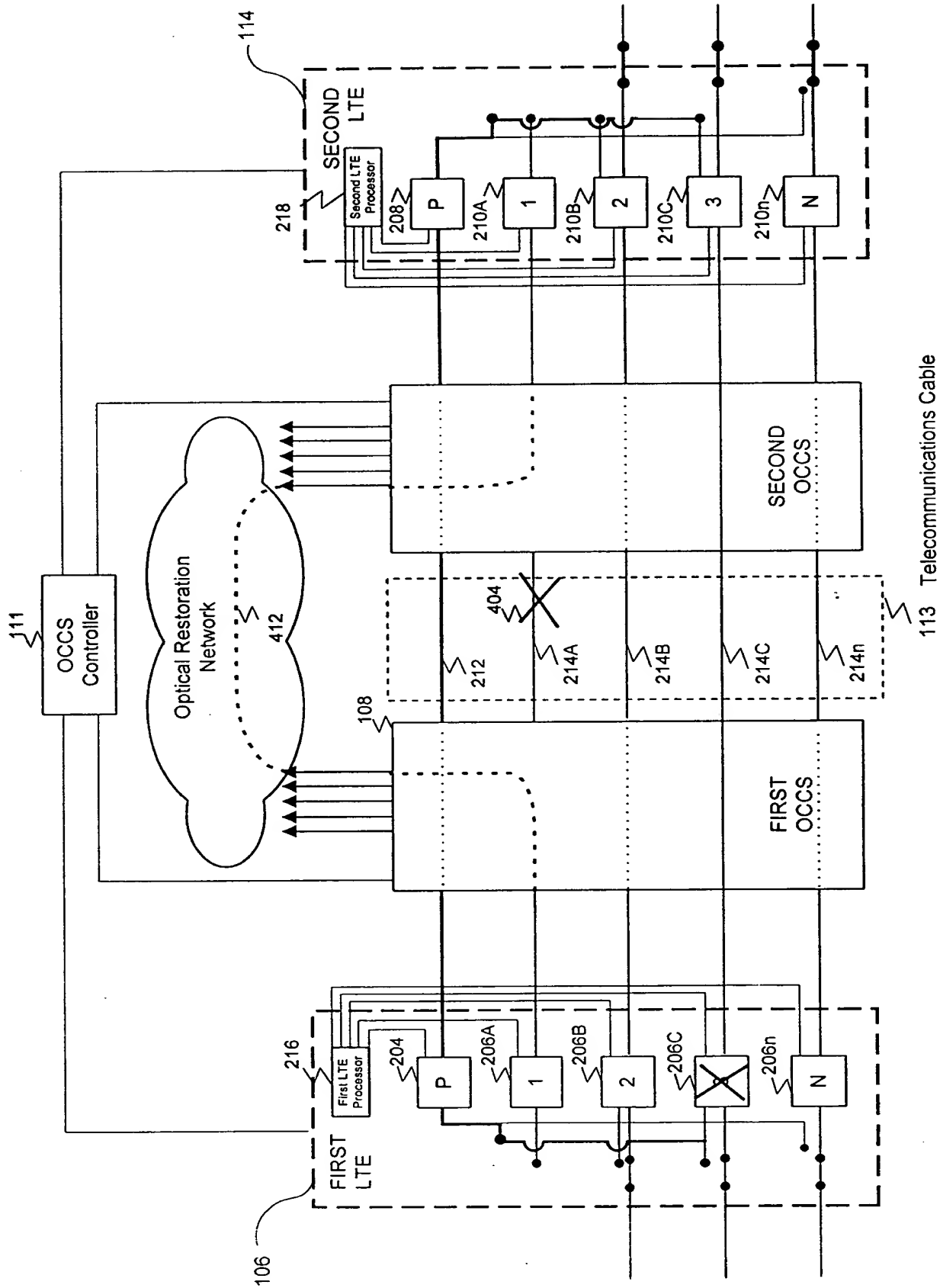


FIG. 4C

Computer System 502

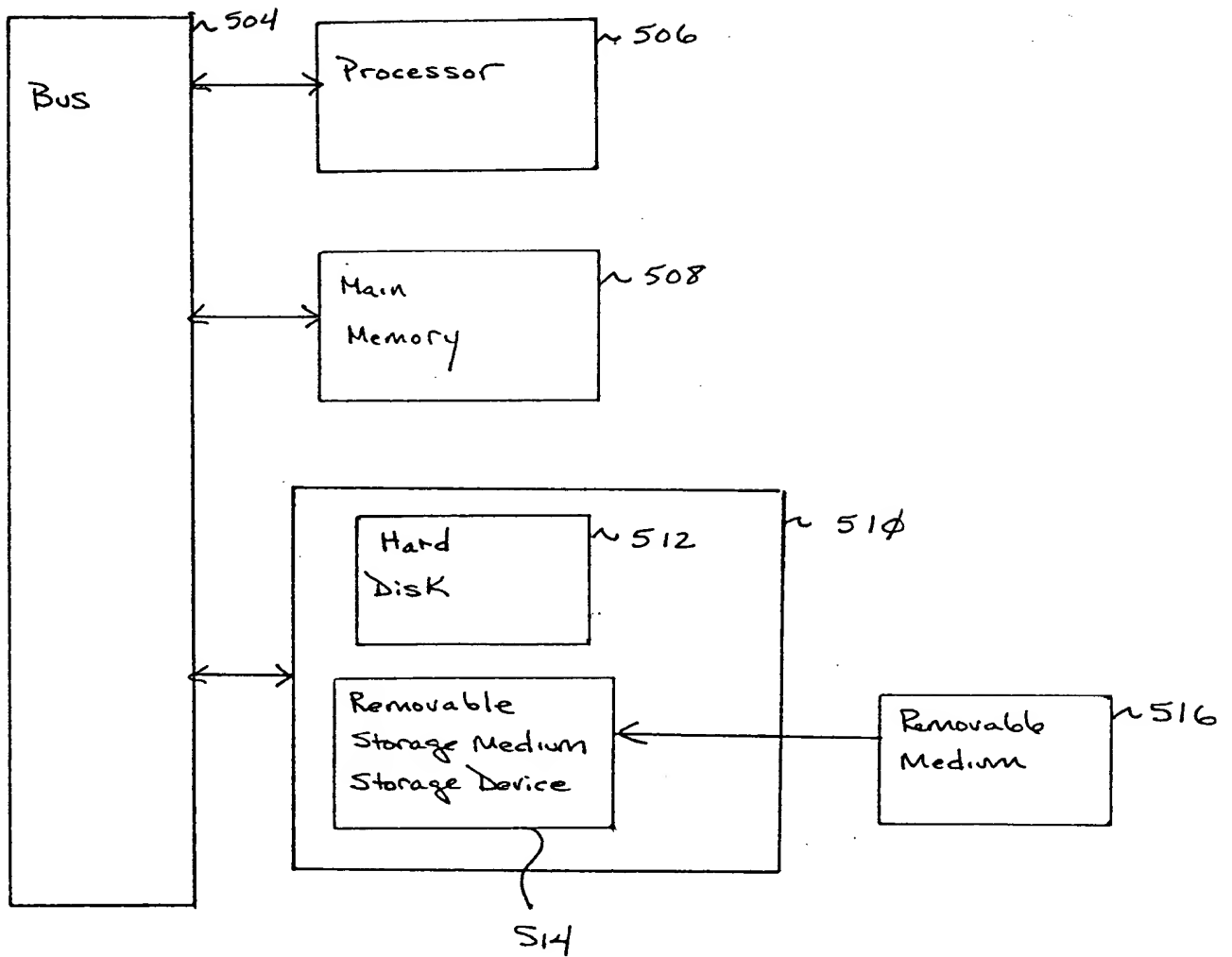


FIG. 5